

# Notice of Allowability

Application No.

09/746,565

Examiner

Linh V. Nguyen

Applicant(s)

BOCK ET AL.

Art Unit

2819

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 01/21/04.
2. ☒ The allowed claim(s) is/are 1, 4 - 6, 8 - 9, 12, 14 - 18, 20 - 35, 38 - 39, 41 - 42, 45, 47, and 51-53.
3. ☒ The drawings filed on 07 June 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### ***Response to Amendment***

This office action is in response to applicant's Amendment received on 01/21/04.

Claims 1, 4 - 5, 12, 14, 33 - 34, 39, 47, and 52 have been amended. Claims 2-3, 7, 10 - 11, 13, 19, 36 - 37, 40, 43 - 44, 46, and 48 - 50 have been canceled. Claims 1, 4 - 6, 8 - 9, 12, 14 - 18, 20 - 35, 38 - 39, 41 - 42, 45, 47, and 51 - 53 are pending on this application.

### ***Allowable Subject Matter***

1. Claims 1, 4 - 6, 8 - 9, 12, 14 - 18, 20 - 35, 38 - 39, 41 - 42, 45, 47, and 51-53, are allowed.
2. The following is an examiner's statement of reasons for allowance:

With respect to claims 1, 16, 33, 47 and 52 in addition to other elements in the respective claim, the prior art does not teach an A/D converter having a plurality of latches each storing a calibration value is used to alter the voltages of the set of capacitors used for both A/D conversion and calibration.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

***Prior Art***

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Sato et al. U.S. Patent No. 6,538,591.

Gowda et al. U.S. Patent No. 5,877,715.

Gowda et al. U.S. Patent No. 5,920,247.

Zhou et al. U.S. Patent No. 6,124,819.

Kochi U.S. Patent No. 5,847,669.

Lim et al. U.S. Patent No. 5,635,937.

***Contact Information***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Linh Van Nguyen whose telephone number is (571) 272-1810. The examiner can normally be reached from 8:30 – 5:00 Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Michael Tokar can be reached at (571) 272-1812. The fax phone numbers for the organization where this application or proceeding is assigned are (703-872-9306) for regular communications and (703-872-9306) for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

LVN

February 26, 2004

*Michael J. Tolson*  
Michael Tolson  
Supervisory Patent Examiner  
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